

LAB REPORT GRADING RUBRIC – 100 POINTS		
Style and Logistics (15 points)	Points	Points Earned
Typed in 12-point font, double-spaced, with 1-1½ inch margins. Proper MLA header is used.	5	
Each of the 8 sections below is numbered and labeled in bold	5	
Grammatically correct and without spelling errors	5	
Experimental Product (10 points)		
A cup of dry salt with student name(s) clearly labeled is turned in with the lab report	10	10
Scientific Content (75 points)		
<b>1. Purpose</b> <i>A simple statement of the purpose for the lab. You should give a broad overview so that someone who is unfamiliar with the subject matter will be able to understand why you did this experiment.</i>	2.5	
<b>2. Hypothesis</b> <i>Make an ‘if....then’ statement. What is the effect of the independent variable on the dependent variable? Identify the IV and DV.</i>	5	
<b>3. Materials</b> <i>This can be a list. Name all the equipment you used to conduct the experiment.</i>	2.5	
<b>4. Procedure / Method</b> <i>This has to be detailed so that you know exactly the steps you are following and someone who was not there could follow them as “directions”. This should be a numbered list of steps, but each step needs to be a complete sentence.</i>	5	
<b>5. Results</b> – Final draft on the Data Sheet provided <i>Attach your hand-written notes to the final copy</i>	15	
<b>6. Interpretation / Discussion</b> <i>Create a bar graph on the Data sheet – you will need two different y-axes- one for average height and the other for average mass. Make sure all axes are labeled and you title your graph.</i>	15	
<b>7. Conclusion</b> <i>Revisit the purpose of the lab. Summarize your “final answer” about what you predicted would happen versus what actually happened. Use your analysis to support your conclusion – this will be repetitive.</i>	15	
<b>8. Extension</b> <i>-Explain at least 3 possible sources of errors and/or improvements you could make .Rank these from biggest deal to least big deal. -Describe at least 2 new ideas you are curious about now that could lead to future studies. Be creative!</i>	15	

Student: \_\_\_\_\_ Final Grade: \_\_\_\_\_ / 100 points

### Reflection:

1) Describe the grade you believe you deserve for participation. Why?

2) Describe the grade you believe each teamwork deserves for participation. Why?

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### To complete after the in-class discussion on Wednesday:

3) Summarize the class’s consensus about the correlation between soil size and radish growth:

4) What does “weight of evidence” mean in science?

5) Are you convinced that the class consensus is accurate? Why or why not?